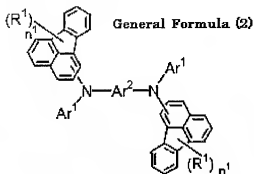


REMARKS

This Amendment is submitted in response to the final Office Action mailed on February 6, 2009. A Request for Continued Examination is submitted herewith. The Director is authorized to charge the RCE fee and any additional fees which may be required, or to credit any overpayment to Deposit Account No. 02-1818. If such a withdrawal is made, please indicate the Attorney Docket No. 112857-559 on the account statement.

Claims 18-31 are pending in this application. In the Office Action, Claims 18 and 19 are rejected under 35 U.S.C. §102. Claims 18-31 are further rejected under 35 U.S.C. §103. In response, Claims 18, 23, 25, 27 and 29 have been amended and Claims 20, 24, 26, 28 and 31 have been canceled without prejudice or disclaimer. Claims 32-39 are newly added. These amendments and new claims do not add new matter. At least in view of the amendments and/or for the reasons set forth below, Applicants respectfully submit that the rejections should be withdrawn.

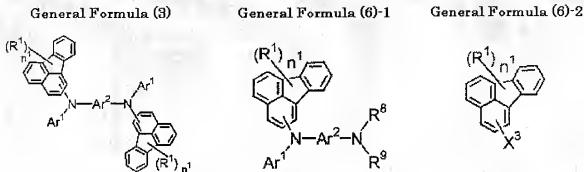
Currently amended independent Claim 18 recites, in part, an organic green light-emitting material comprising a material represented by a following general formula (2):



wherein: n^1 is an integer of 0 to 3; R^1 is an alkyl group having 10 carbon atoms or less; Ar^1 is a monovalent group which is derived from monocyclic or fused-ring aromatic hydrocarbon having 20 carbon atoms or less, and which optionally has a substituent having 10 carbon atoms or less; and Ar^2 is a divalent group which is derived from a ring assembly having 30 carbon atoms or less and being comprised of monocyclic or fused-ring aromatic hydrocarbon having 1 to 3 rings, and which optionally has a substituent having 4 carbon atoms or less, wherein a compound in which said monovalent group is an unsubstituted phenyl group, said divalent group is a divalent group

derived from unsubstituted biphenyl, and each of two fluoranthenes is bonded to nitrogen at the carbon numbered 3 is excluded from general formula (2) wherein the ring assembly constituting Ar^2 in the general formula (2) is biphenyl, binaphthyl, or bianthracenyl.

Similarly, currently amended independent Claims 23, 25, 27 and 29 recite, in part, a method for producing an organic green light-emitting material represented by the general formula (3) below, characterized by reacting a compound represented by the general formula (6)-1 below with a compound represented by the general formula (6)-2 below using a metal catalyst:



wherein in the general formula (3) above, a compound in which said monovalent group is an unsubstituted phenyl group, said divalent group is a divalent group derived from unsubstituted biphenyl, and each of two fluoranthenes is bonded to nitrogen at the carbon numbered 3 is excluded from general formula (3), wherein the ring assembly constituting Ar^2 is biphenyl, binaphthyl, or bianthracenyl. These amendments do not add new matter. These amendments are supported in the Specification at, for example, page 2, lines 9-12 and page 9, lines 20-22.

In the Office Action, Claims 18-19 are rejected under 35 U.S.C. §102(b) as being anticipated by Japanese Publication No. 2002-069044 A to Hosokawa et al. ("*Hosokawa*"). In response, Claim 18 has been amended. In view of the amendment and/or for at least the reasons set forth below, Applicants respectfully submit that *Hosokawa* fails to disclose or suggest each and every element of independent Claim 18 and Claims 19 that depend therefrom.

For example, *Hosokawa* fails to disclose or suggest an organic green light-emitting material comprising a material represented by a following general formula (2) wherein Ar^2 is a divalent group which is derived from a ring assembly having 30 carbon atoms or less and being comprised of monocyclic or fused-ring aromatic hydrocarbon having 1 to 3 rings and wherein a compound in which said monovalent group is an unsubstituted phenyl group, said divalent group

is a divalent group derived from unsubstituted biphenyl, and each of two fluoranthenes is bonded to nitrogen at the carbon numbered 3 is excluded from general formula (2), and wherein the ring assembly constituting Ar² is biphenyl, binaphthyl, or bianthracenyl, as required, in part, by independent Claim 18. The Office Action relies primarily on compound A24 of *Hosokawa*, and has admitted that previously relied on compound A22 is excluded from the present claims: "with respect to applicant's remarks about A22 of *Hosokawa*, the examiner agrees that the compound is specifically excluded from the claim." See, Office Action, pg. 6. Because compound A24 of *Hosokawa* only discloses anthracene between the N atoms, *Hosokawa* does not fall within the definition of general formula (2) as required, in part, by the present claims.

Accordingly, Applicants respectfully request that the rejection of Claims 18 and 19 under 35 U.S.C. §102(b) to *Hosokawa* be withdrawn.

In the Office Action, Claims 23 and 25-31 are rejected under 35 U.S.C. §103(a) as being unpatentable over *Hosokawa*. In response, Claims 23, 25, 27 and 29 have been amended similarly to Claim 18. In view of the amendments and/or for at least the reasons set forth above, Applicants respectfully submit that *Hosokawa* fails to disclose or suggest each and every element of independent Claims 23, 25, 27 and 29 and dependents thereof.

Accordingly, Applicants respectfully request that the rejection of Claims 23 and 25-31 under 35 U.S.C. §103(a) to *Hosokawa* be withdrawn.

In the Office Action, Claims 18-31 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Application No. 2003/0118866 A1 to Oh et al. ("*Oh*"). In response, independent Claims 18, 23, 25, 27 and 29 have been amended. In view of the amendments and/or for at least the reasons set forth below, Applicants respectfully submit that *Oh* fails to disclose or suggest each and every element of independent Claims 18, 23, 25, 27 and 29 and dependents thereof.

For example, *Oh* fails to disclose or suggest an organic green light-emitting material comprising a material represented by a following general formula (2) wherein Ar² is a divalent group which is derived from a ring assembly having 30 carbon atoms or less and being comprised of monocyclic or fused-ring aromatic hydrocarbon having 1 to 3 rings and wherein a compound in which said monovalent group is an unsubstituted phenyl group, said divalent group is a divalent group derived from unsubstituted biphenyl, and each of two fluoranthenes is bonded

to nitrogen at the carbon numbered 3 is excluded from general formula (2) wherein the ring assembly constituting Ar^2 is biphenyl, binaphthyl, or bianthracenyl as required, in part, by independent Claim 18. The Patent Office admits that *Oh* fails to disclose that its aromatic groups L1-L4 include fluoranthene groups but nevertheless asserts that it would have been obvious to one of skill in the art to select fluoranthene groups for two of the L1-L4 "because one would expect the compound to result in a well-functioning material for a device." See, Office Action, page 5.

However, *Oh* is entirely directed to improving the luminescent efficiency of a red luminescent layer of an organic electroluminescent device. See, *Oh*, Abstract; page 1, paragraph 3, lines 1-4. As such, Applicants respectfully submit that one of skill in the art would not have a reason to select fluoranthene groups as two of the L1-L4 groups to arrive at an organic green light-emitting material as embodied by the present claims and further illustrated in the Specification, since one of skill in the art would not expect the host material of *Oh* for use with a red electroluminescent layer to function well as a green organic light-emitting material. Therefore, *Oh* fails to disclose or suggest an organic green light-emitting material comprising a material represented by a following general formula (2) wherein Ar^2 is a divalent group which is derived from a ring assembly having 30 carbon atoms or less and being comprised of monocyclic or fused-ring aromatic hydrocarbon having 1 to 3 rings and wherein a compound in which said monovalent group is an unsubstituted phenyl group, said divalent group is a divalent group derived from unsubstituted biphenyl, and each of two fluoranthenes is bonded to nitrogen at the carbon numbered 3 is excluded from general formula (2) wherein the ring assembly constituting Ar^2 is biphenyl, binaphthyl, or bianthracenyl as required, in part, by independent Claim 18 and Claims 19-20 that depend therefrom. Furthermore, for similar reasons, *Oh* fails to disclose or suggest a method for producing an organic material represented by the general formula (3), characterized by reacting a compound represented by the general formulas (4)-1 to (7) below using an equivalent amount of a metal, a metal salt, or a metal catalyst, wherein a compound in which said monovalent group is an unsubstituted phenyl group, said divalent group is a divalent group derived from unsubstituted biphenyl, and each of two fluoranthenes is bonded to nitrogen at the carbon numbered 3 is excluded from general formula (3) wherein the ring assembly constituting Ar^2 is biphenyl, binaphthyl, or bianthracenyl as required, in part, by Claims 23-31.

Accordingly, Applicants respectfully request that the rejection of Claims 18-31 under 35 U.S.C. §103(a) to *O*h be withdrawn.

New Claims 32-39 are also believed to be allowable based on the reasons discussed above, based on their dependency from amended independent Claim 18, and for the additional elements recited therein.

For the foregoing reasons, Applicants respectfully submit that the present application is in condition for allowance and earnestly solicit reconsideration of same.

Respectfully submitted,

K&L GATES LLP

BY 

Thomas C. Basso
Reg. No. 46,541
Customer No. 29175

Dated: May 6, 2009